

**FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.**

[PRICE 6D.

[illegible]







Mr. Smith delivered an interesting lecture on the ancient methods, rise, and progress of street lighting, with the history of the discovery and advancement of coal gas illumination, at the Polytechnic Gas-Works, on Monday, the 14th inst. He commenced by a research into the state of the streets of London in the earliest times, and stated that Henry V. first ordered the inhabitants to hang out lights before their doors, he being in the habit of frequenting a well known hotel—the *Spotted Dog*—in Chancery-lane, kept by Thomas Quirkly, and finding it often very inconvenient to reel through the dark streets at a late hour. In 1417, Sir Henry Barthe, Lord Mayor of London, ordered 700 street lights, to be displayed in the city, each requiring two attendants, which, with the candles, made a permanent outlay of nearly 8000 men. These streets were a sort of iron basket carried on the top of a pole, in which was burnt oil rags or junk, but worked in pitch, tar, &c., but small improvement took place during the next three centuries, when in 1754, the genius of phlogestons inventing an systematic and bold in their movements, that it became necessary for the citizens to assist themselves, to prevent the *mariners and robbers* which nightly took place, as it was totally unsafe to pass any of the streets after dark in the evening, and the system of lighting with glimmering glass lamps, burning a tin cup with two wicks, was pursued, until the introduction of gas about 1800. The first attempted research into the nature of coal gas was by the Rev. John Clayton, master of Croydon, Wakefield, Yorkshire, in 1804; this gentleman distilled hydrogen gas from coal in retorts heated in the modern manner, passed the gas through water, and conveyed it in pipes, from which he fitted bladders with the fluid, and attracted his visitors by poking a hole in one, and lighting the jet; the only wonder is, that these extraneous movements on the subject did not lead him to bring it into application for useful purposes—this was left, however, for Mr. Murdoch, of Manchester, Crompton, who, in 1829, fit his own house in that town, and the next year he had so perfected his apparatus, that he was enabled to light up the extensive factory of Bolton and Wals, at Bury, with coal gas; this invention, significant over everything which had preceded it, secured the greatest satisfaction, people went for miles to see the novelty, and coal was distiled in tubular pipes at every distance in the kingdom. In 1840 Mr. Wason lighted the London Theatre with gas, and he has no certainty due to his interesting late London; he was, however, far too anxious as to the profits to be derived, and in his eagerness to force the "National Light and Heat Company," he provided the subscribers for every 5s. a share (amount of 2750, per centum), this company, after much expense and difficulty, became established as the present "Chartered Gas, Light and Coke Company," but its founder ranged none of the subscribers, and with his heavy losses reduced to circumstances, though he had so materially benefited the public. The lecturer then alluded to the opposition against gas, its efforts on health, with the R. Barr's experiments on himself, by inhaling it, from which it was evident that it was a powerful medicine; he also its inspiration of hydrogen, combined with air, producing death without pain or previous symptoms. The lecturer, however, showed that from the great amount of oxygen, which always took place under ordinary circumstances, it became totally superfluous. He then considered the relative cost of gas as compared with candles and oil, described the convenience and safety of carbonaceous hydrogen, wet and dry methods, the various descriptions of lamps—Judd's, Ring, Smith's, Argand, Serpentine, and the Bunsen and Burner light. He explained the whole process of gas distillation, illustrated by a beautiful little model furnace, one flint and a half square, of five retorts, with hydraulic valve, barometer, condensers, and purifiers, in perspective, and which were clearly described while in action was. The lecture was extremely interesting to the considerable and numerous audience, and gave very general satisfaction.



















## CURRENT PRICES OF STOCKS AND SHARES.

## STOCK EXCHANGE, Saturday morning, 7th July 1906.

Canada Amalgamated, 94 1/2	Deutch, 2 1/2 per Cent., 97 1/2
Deutch, 2 1/2 per Cent., 94 1/2	Deutch, 2 1/2 per Cent., 94 1/2
Deutch, 2 1/2 per Cent., 94 1/2	Deutch, 2 1/2 per Cent., 94 1/2
Deutch, 2 1/2 per Cent., 94 1/2	Deutch, 2 1/2 per Cent., 94 1/2
Deutch, 2 1/2 per Cent., 94 1/2	Deutch, 2 1/2 per Cent., 94 1/2

**NATIONAL DEBT.**—The Lords Commissioners of the Treasury having considered the Commission for the Redemption of the National Debt, in pursuance of the act 19th George IV., c. 77, sec. 1, that the actual proceeds of the United Kingdom of Great Britain and Ireland should be applied to the redemption of the National Debt, the Commission for the Redemption of the National Debt hereby give notice, that no sum will be applied to the redemption of the National Debt, under the provisions of the said act, between the 1st day of July, and the 1st day of October, 1906.

**PRELIMINARY NOTES AND BULLION.**—An account of the preliminary notes and bullion, which have been issued in the United Kingdom, during the week ending the 30th day of June, 1906.

**THE PREMIUM ON GOLD AT PARIS TO 10 PER CENT.**—The English Mint price of 31. 12s. 6d. per ounce for standard gold, gives an exchange of 25 1/2, and the exchange at Paris on London of short gold is 25 1/2, it follows that gold is 10 per cent. dearer in London than in Paris.

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## SALE OF COPPER ORES IN CORNWALL.

Sampled June 21, and sold at Tregilva's Hotel, Camborne, July 6.

Mine.	Tons.	Price.	Purchaser.	Mine.	Tons.	Price.	Purchaser.
Concise	104	4 12 1/2	W. & A. Co.	United	61	4 12 1/2	W. & A. Co.
Concise	104	4 12 1/2	W. & A. Co.	United	61	4 12 1/2	W. & A. Co.
Concise	104	4 12 1/2	W. & A. Co.	United	61	4 12 1/2	W. & A. Co.
Concise	104	4 12 1/2	W. & A. Co.	United	61	4 12 1/2	W. & A. Co.
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## PRICES OF MINING SHARES.

In the directors' report laid before the meeting of the Cornish Mining Association, on Thursday, it is stated, "It was but a record of expectations yet to be realized," still the progress of the works to March last had been of a decidedly satisfactory nature, having worked from October, 1902, to that period, at a profit. The cause of the losses incurred appears to have been a deficiency of water, and at no time from a falling off in the supply of ore; this is a good feature, and we trust the property will continue to be profitable. From the St. John of the Bay report, it will be seen the gold return for the month of March was 107 lbs. 7 oz. 14 dwts., with every prospect of greater increase. When it is remembered that a short time ago 50 to 60 lbs. was considered a good monthly return, and that the income has been steady and certain, this mine may be looked upon as holding out prospects of an enormous kind. The United Mexican had further reduced their debt to £725,000. In the Royal Mail, we are sorry to observe that the Mexican Government have suddenly annulled the license for exporting their silver, which will compel them to dispose of the produce of the mines in Mexico, by which so good a return is better realized, and which, at this moment, is a circumstance of considerable importance.

Share.	Company.	Price.	Share.	Company.	Price.
100	Anglo-Spanish	15 1/2	100	Trevelyan and Barter	15 1/2
100	Anglo-Spanish	15 1/2	100	Trevelyan and Barter	15 1/2
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100	Anglo-Spanish	15 1/2	100	Trevelyan and Barter	15 1/2

Wool and Sella	31	31	643,900	40	414	1311	0	0
Liverpool and Manchester	31	31	1,313,250	100	270	4919	0	0
London and Birmingham	1174	1224	8,902,817	100	273	10073	15	10
London and Glasgow	50	50	2,300,000	100	100	100	0	0
London and Brighton	50	50	2,300,000	100	100	100	0	0
London and Cheltenham	100	100	624,571	173	100	385	0	0
London and Greenwich	50	50	1,100,000	100	100	100	0	0
London and Southampton	50	50	2,300,000	100	100	100	0	0
Manchester, Bolton, & Bury	100	100	777,367	40	40	100	0	0
Manchester & Birmingham	100	100	1,000,000	40	35	2000	10	0